



A Measure

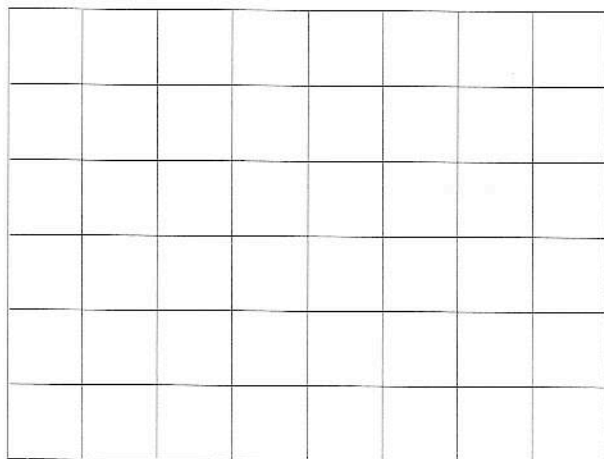
The perimeter of a shape is the total length of the boundary lines. Since perimeter is a length, the unit is mm, cm, m or km.

Example : Measure the perimeter of this rectangle.
Give your answer in centimetres, accurate to the nearest millimetre.



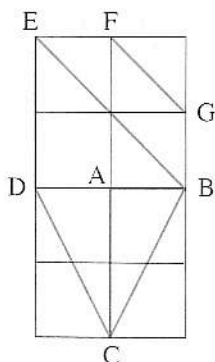
Working :
 $4.2 + 0.9 + 4.2 + 0.9$
 $= 10.2 \text{ cm}$

- 1 Draw a rectangle and a square, each with a perimeter of exactly 12 cm.

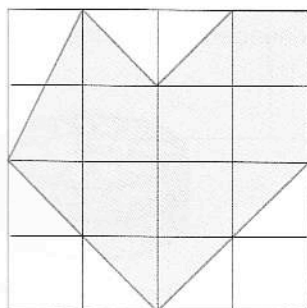


- 2 True or False? (Write T or F)

- a) length ED = length CD
 b) length EB = length BC
 c) length BC = length DC
 d) length EB = 2 x length FG
 e) length BA + length AC = length BC



- 3 Find the perimeter of the green shape.
Give your answer in cm, accurate to the nearest mm.

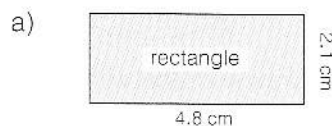


B Sketches

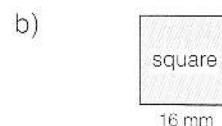
A sketch is a rough picture of a real life situation.

We often find that in sketches only a few measurements are given. Since the diagrams are not to scale we must calculate the missing lengths in order to find the perimeter.

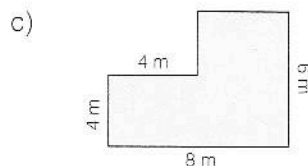
- 1 Calculate the perimeters of these shapes.



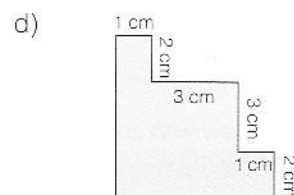
P =



P =

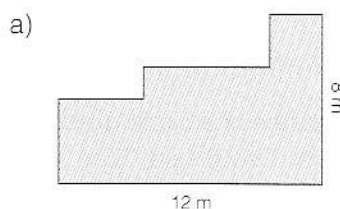


P =

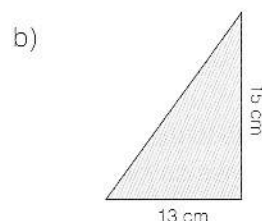


P =

- 2 Is there enough information to calculate the perimeters of these shapes? Find the perimeter if possible. If it's not possible - say so.

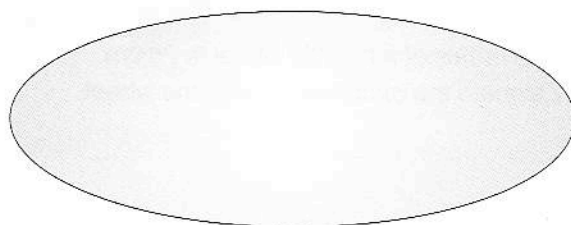


P =



P =

- 3



Use a piece of cotton and a ruler to estimate the perimeter of this oval.